SEQUENCE LISTING

<110> Mirkin, Chad A.
       Letsinger, Robert L.
       Mucic, Robert C.
       Storhoff, James J.
       Elghanian, Robert

<120> NANOPARTICLES HAVING OLIGONUCLEOTIDES ATTACHED THERETO
      AND USES THEREFOR

<130> 00-713-B1

<140> 09/923,625
<141> 2001-08-07

<150> 09/240,755
<151> 1999-01-29

<150> PCT/US97/12783
<151> 1997-07-21

<150> 60/031,809
<151> 1996-07-29

<160> 42

<170> Microsoft Word 2000

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      synthetic sequence

<400> 1
aaacgactct agcgcgtata   20

<210> 2
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<220>
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<400> 2
atggcaacta tacgcgctag   20

<210> 3
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<400> 3
ccttgagatt tccctc   16

<210> 4
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gagggaaatc tcaagg   16

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aacttgcgct aatggcga   18

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aagttgcgct ttacggctaa tggcga   26

<210> 7
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<400> 7
tctccttccc ttttc   15

<210> 8
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gaaaagggaa ggaga   15

<210> 9
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<400> 9
cttttccctt cctct   15

<210> 10
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<400> 10
aaacgactct agcgcgtata gttgccat   28

<210> 11
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<400> 11
atggcaacta tacgcgctag agtcgttt   28

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cctatcgacc atgct   15

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agcatggtcg ataggaaacg actctagcgc   30

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gcgctagagt cgttt   15

<210> 15
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agcatggtcg ataggatggc aactatacgc   30

<210> 16
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gtcgatagga aacgactcta gcgc   24

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<210> 18
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<400> 19
tctcaactcg ta                                                       12


<210> 20
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<400> 20
cgcattcagg at                                                       12


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<400> 21
tacgagttga gagagtgccc acat   24

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<210> 24
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<210> 28
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<400> 28
taggacttac gc                                                  12


<210> 29
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<400> 29
tacgagttga gaccgttaag acgaggcaat catgcaatcc tgaatgcg           48


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synthetic sequence

<400> 30
tgcatgattg cctcgtctta acgg   24

<210> 31
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<400> 31
tacgagttga gaccgttaag acgaggcaat catgcatata ttggacgctt tacggacaac 60
atcctgaatg cg   72

<210> 32
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<400> 32
gttgtccgta aagcgtccaa tatatgcatg attgcctcgt cttaacgg   48

<210> 33
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<400> 33
tctcaactcg ta   12

<210> 34
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tacgagttga gaatcctgaa tgcg   24

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<400> 35
cgcattcagg at                                                    12


<210> 36
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<400> 36
ggcggatgag tcagtagtta aggaggctca tagagaagta attaattcgt caacagaggg 60
attattgtta aatattgata aggatataag aaaaatatta tccagggtta tattgtagaa 120
attgaagata ctgaagggct t                                          141


<210> 37
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<400> 37
taacaataat ccctc                                                 15


<210> 38
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<400> 38
atccttatca atatt                                                 15


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tgagcctcct taactactga ctcatccgcc   30

<210> 40
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<400> 40
tgttgacgaa ttaattactt ctcta   25

<210> 41
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<400> 41
tataaccctg gataatattt ttcttat   27

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aagcccttca gtatcttcaa tttctacaa   29